***2CEIT801 INDUSTRIAL TRAINING B.tech. Sem-VIII (CE/CE-AI/IT), UVPCE***

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**Enroll No. :**

**Name:**

Attendance Sheet including work done – Student’s project/ Industrial Training

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| **No.** | **Date** | **Company Project Guide (Signature)** | **Summary of Work Done as per date** |
| 1 | 26-12-2022 |  | * Induction program and Document Verification * QA Test Lab visit: Awareness on Test lab equipment and product description * Basic Introduction regarding Company, Embedded System |
| 2 | 27-12-2022 |  | * Made a document and gone through some unknown terms of the product description we got while QA Test Lab visit * Revised Basic C syntax * Started Learning Git and Installation of Git |
| 3 | 28-12-2022 |  | * Practiced Git commands,made repository on Git * Started implementation of C program task as given * For the C program revised the concept of pointers |
| 4 | 29-12-2022 |  | * Completed C programs based on strings, pointers * Learnt about the concept of bit manipulation |
| 5 | 30-12-2022 |  | * Completed C programs based on bit manipulation,inversion of bits * Learnt about malloc,Makefile,free and bit masking * Started revising Python Concepts |
| 6 | 2-1-2022 |  | * Gone through Python concepts like module,pandas,numpy * Started Learning Socket Programming for Implementation of Client server program in C |
| 7 | 3-1-2022 |  | * Done some of the python exercises to revise python concepts * Learnt about Multithreading and socket binding for Implementation of Client server program in C * Installed Ubuntu as well as Virtual Box |
| 8 | 4-1-2022 |  | * Commited all finished C programs on git repository * Learnt about Merge Conflicts in Git. * learnt about some git commands such as git reset,git add,etc. that are used for resolving the conflicts in Git * Basic implementation of TCP Single client server communication |
| 9 | 5-1-2022 |  | * Completed Single Server Single Client chatbot communication program in C * Started Linux tutorial where the topic covered mainly was Windows and Linux difference,basic understanding of linux * Learnt about Kernel * Learnt about Socket,port,socaddress,etc * Tried to implement TCP Multiple client server communication. |
| 10 | 6-1-2022 |  | * I gone through some unknown functions like setsockopt, then learnt about select() linux command and also about the datastructure used for it (fd\_set) and its associated functions * Research on implementing ideas using SOM Cortex A55 application processor * Also about E-Textile and smart fabric * Pursued Linux Tutorial and Awareness on Yocto project |
| 11 | 9-1-2022 |  | * UNIX ,UNIX and LINUX difference , Limitations of Unix and Linux * Implementation of bash file using nano editor * Practiced some linux commands such as man,chmod,etc. * Started doing python tasks where learnt about module num2words(not used),abs |
| 12 | 10-1-2022 |  | * I gone through pthread concept implementing Multiple Client Server Model in C * Learnt about Shell Scripting, Bash script execution and syntax, Types of Shell in linux * User Administration in Linux * Attended Testing of Glide’s Fitness/healthcare based products training where leant about some terms Cortex M0 based module,BLE. |
| 13 | 11-1-2022 |  | * Revised some linux concepts: Package Manager , RPM ,Apt , YUM , dpkg * Pursued Python programs: Learnt about ord,chr like built in functions and finished program based on converting integers into its equivalent words * Learnt about the headers files included in Socket Programming netinet/in ,arpa\_inet ,sys/socket |
| 14 | 12-1-2022 |  | * Learnt about some topics such as: Synchronous I/O multiplexing ,sendto() system call , sockaddr structure , msg\_flags * Troubleshooting Multiple Client Server Program * Practised some git commands to track changes in the code using git. |
| 15 | 13-1-2022 |  | * Started Datasheet Reading of USB receptacle where learnt about : RoHS , UL94V-0 , Flammability test * Troubleshoot Multiple Client Server Programming * Made a document on the training workshop that we gone through before * Pursued the Python hands-on task based on inversion of bits,bit manipulation |
| 16 | 16-1-2022 |  | * Learnt about Increment decoder , Laser Drivers * Pursued datasheet reading of flash memory where gone through some interfaces introduction like SPI,I2C,UART,etc. * Learnt about SPI , Quad SPI and gone through some points of the datasheet of network connector such as product’s Features , Pin description , Instructions , Write protect features * Implementing Multiple Client Server Programming with select() |
| 17 | 17-1-2022 |  | * Gone through some terms such as WLAN Subsystem , BLE , External Interfaces as a part of datasheet readings of Wifi and Bluetooth MCU. * UART specifications , SPI Slave specifications , GPIOTE specifications , DFU Specifications , Pin Descriptions , Power Up Sequence , Recommended Power Circuit , Battery operation , Pattern Design Guide * Learnt about LED Driver, Proximity Function, Electrocardiogram (ECG) as a part of datasheet reading of bio-senser |
| 18 | 18-1-2022 |  | * Learnt about Sample of FIFO Data Index , FIFO Handling Registers , Some important figures as a part of datasheet reading. * Gone through the terms such as : Firmware, SDK, STM32cube IDE * Datasheet reading :Bluetooth 5.2 , Comparators , General-Purpose I/O (GPIO) and Special Function Pins , Programmable Timers , Serial Peripherals , Security * Attended Webinar on Security of Embedded Systems where learnt about some tools ,Secure boot concept, etc * Pursued the implementation of Python hands-on task based on strings,modules |
| 19 | 19-1-2022 |  | * ***I was on the medical Leave*** |
| 20 | 20-1-2022 |  | * Done Datasheet Reading of SoC where leant about Strapping Pins, Analog Peripherals, etc * Completed Python hands-on task learnt about concept of Makefile in python * Gone through the Topic : “FIFO” in embedded C and how it can be used to communicate between the processes, etc * Attended the training session on Glide’s Wearable Device’s testing measures. |
| 21 | 23-1-2022 |  | * Pursued FIFO task for that I revised some of the Operating System Topics: Disk Management , What is Disk scheduling * Some of the terms of Disk Scheduling such as seek time,rotational latency,etc. * FCFS scheduling algorithm * Implemented FCFS in C |
| 22 | 24-1-2022 |  | * Implemented FCFS in C using queue * Tried to implement multiple Client Server program using UDP in C * Started implementing Single Client server program in python |
| 23 | 25-1-2022 |  | * Started Interface study of SPI,QSPI, I2C,UART/USART * Completed Implementation of Single Client Server program in python * Improvised the Done C programs as well as Python programs as instructed |
| 24 | 27-1-2022 |  | * Pursued Interface study of I3C, RS232, RS 485, USB 2.0/3.0/ OTG etc * Started Implementing Multiple Client server program in python |

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**(Sign of College Project Guide)**